

Appl. No. 10/713,231

Amendments to the Abstract:

Please replace the Abstract with the following rewritten Abstract:

ABSTRACT OF THE DISCLOSURE

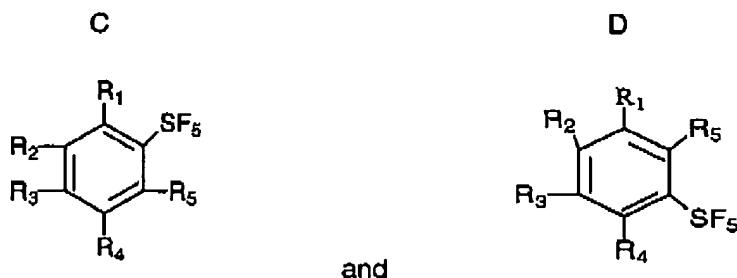
A new route has been found leading to the formation of pentafluorosulfuranyl arylenes. In its broadest aspect the process comprises:

effecting dehydrohalogenation or dehydrogenation of a pentafluorosulfuranyl cycloaliphatic compound represented by either of the structures:



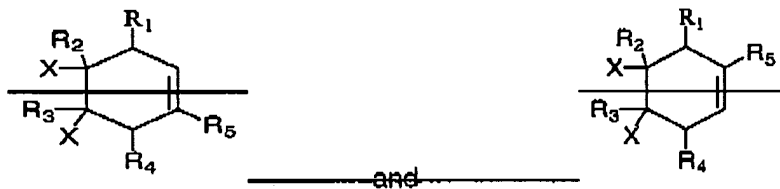
wherein R_4 , R_{1-5} is are H, halogen, C_{1-10} alkyl, C_{1-10} alkoxy, C_{1-10} thionyl, ~~C_{1-10} C₁₋₁₀~~ alkyl ether, ~~list more~~, R_2 , R_4 and R_5 are H and R_3 is H repeated R_4 , aryl and substituted aryl, thioether, sulfonyl, carboalkoxy, alkylamino, arylamino, alkylphosphoryl, alkylphosphonyl, arylphosphonyl, arylphosphoryl and mixtures thereof and X is a halogen atom

to form the pentafluorosulfuranyl arylene represented by the structures:



wherein R_1 - R_5 are as represented in ~~compound represented by the structures A and B above~~. B above.

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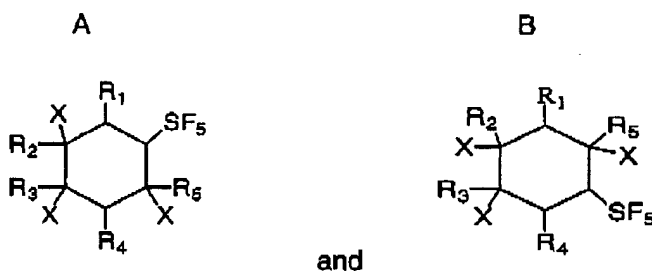
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Enclosed herewith is a clean version of the abstract that incorporates the revisions made.

ABSTRACT OF THE DISCLOSURE

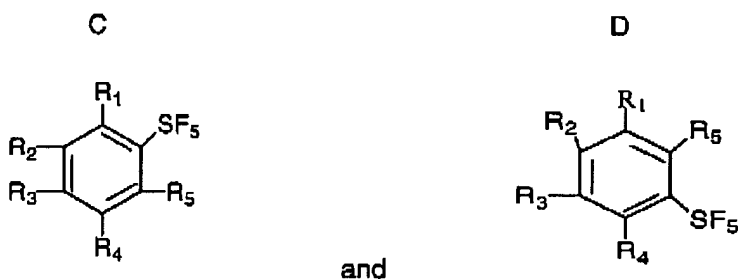
A new route has been found leading to the formation of pentafluorosulfuranyl arylenes. In its broadest aspect the process comprises:

effecting dehydrohalogenation or dehydrogenation of a pentafluorosulfuranyl cycloaliphatic compound represented by either of the structures:



wherein R_{1-5} are H, halogen, C_{1-10} alkyl, C_{1-10} alkoxy, C_{1-10} thionyl, C_{1-10} alkyl ether, aryl and substituted aryl, thioether, sulfonyl, carboalkoxy, alkylamino, arylamino, alkylphosphoryl, alkylphosphonyl, arylphosphonyl, arylphosphoryl, and mixtures thereof and X is a halogen atom

to form the pentafluorosulfuranyl arylene represented by the structures:



wherein R_1-R_5 are as represented above.